

### **Abstract**

A temperature-sensor circuit is provided. The temperature-sensor circuit may be configured such that an output of the temperature-sensor circuit trips when a specified temperature is reached. The temperature-sensor circuit may also be configured to trigger hysteresis if the specified temperature is reached. Additionally, the temperature-sensor circuit may be configured for powering up with hysteresis disabled. However, after the completion of a settling period, the hysteresis is enabled for triggering based on the temperature.

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